CERES DMT to DAAC Processing Requests

CERES Data Processing Policy: A Data Month must be processed with a unique Software Code. If an emergency Software Code Fix must be made in the middle of a processing month, all days previously processed must be reprocessed to maintain consistency of the data. (Note: Shaded boxes are complete. A Change bar (|) is used, on left side of document, to indicate changes since the last update) All CERES Processing Requests should be referenced as: CER-PR'Table#-Item#', example: CER-PR3-16 is Item 16 from Table 3.

Table 1: Satellite: All

Item	Start Date/ Priority	Processing Request	Description	DAAC Verification
12	1/14/99	Promote new DPREP Ver. 2 into Production. Process failed dataday 11/4/98.	DPREP has been upgraded.	1/14/99
11	11/25/98	Promote CERESlib into Production	ssf_typdef.f90, ssf_typdef.README(SCCR #110), solar_declination.f90(SCCR #111) Impact: ss4.4, 5.1, 9.2, 6.1, 7.1, 8, 10 (sccr 112)	
10	9/25/98	Promote CERESlib into Production	Corrected a bug in the HDFEOS_version() function in the ceres_versions.f90 module.(sccr 107)	done 9/28/98
9	9/21/98	Promote CERESlib into Production	sccr#=106 (sccr 101,102,103,104), Version=19980910	done 9/22/98
8	9/21/98	Promote TK5.2.3 into Production	Latest Toolkit Version	done 9/22/98
7	6/3/98	Promote CERESlib into Production	Modification documented in sccr 87, all subsequent SW deliveries must be compiled with this library.	Done 6/3/98
6	5/4/98	Promote CERESlib into Production.	Update post_moa_file.f90 in the dataproduct modules needed by Tisa_Gridding (sccr80)	Completed
5	4/29/98	Promote CERESlib into Production.	The moa_io and surfmap changes are needed at the DAAC by the Clouds subsystem (sccr78)	Completed

Table 1: Satellite: All

Item	Start Date/ Priority	Processing Request	Description	DAAC Verification
4	4/1/98	Promote CERESlib into Production.	WNchan_width values for each CERES instrument are being added to the ceres_constants module, see sccr64.	
3	3/13/98	Install Patches 1,2,3 to TK5.2.1. This installation should coincide with the delivery of SS6/9.	Patch #1 is for file closure, which is required by SS1 and SS4.1. Patch #2 is for HDFEOS, and patch #3 is for input pointer, which is required by SS9 where SS6/9 requires 744 input file names.	
2	3/5/98	Download UCTPole and Leapsec Ancillary TK files on Tues. and Thursday of each week, as are current from NRL. Process all Level Zero files as they are ingested from GSFC.	SS1 report 2/4/98: 'Ran tests using various utc-pole.dat files to determine the error in predicted vs. actual utcpole data. Tests show that the difference for the 5 day predicted dataset is on the order of 1/ 100,000 of a degree.'	
1	2/2/98	Promote TK5.2.1 into Production	SCF check out completed.	

Special Processing Exceptions

Table 2: TRMM Processing Exceptions

Item	Date	Processors	DataDate Exception	Explanation
3 done 6/25/98	6/18/98 ~~**Priority 3**~~ ~~**6/18/98**~~	CER1.1P1	5/21-28/98	Remove all CER1.1P1 files for the DataDate Exceptions from local disk and from archives. Rerun these days with the new SS1 delivered SW, see CER-PR3-24, prior to CM integration. Reason: Correct runs made with simulated data (UTCPole)
2 done 6/25/98	6/18/98 ~~**Priority 2**~~ ~~**6/18/98**~~	CER1.1P1	4/23, 5/8, 5/23, 6/7, 6/23, 1998	Remove all CER1.1P1 files for the DataDate Exceptions from local disk and from archives. Rerun these days with the new SS1 delivered SW, see CER-PR3-23, prior to CM integration. Reason: Special processing for the Alongtrack Days.
1	5/11/98	Eliminate ALL PGEs except: CER4.1-4.1P1, CER4.1-4.2P1 Do Hrs{0..11}	Jan. 7-8, 1998	On Thur. May 7, 1998, at the ERBElike Working Group meeting, it was announced that all processing (and reprocessing) must omit the days of Jan 7 and 8, 1998. These days have the deep space calibration maneuvers which are not normal Earth viewing data.

Satellite: TRMM Processing Requests

Priority 1 - Process Instrument Subsystem daily - to be followed by ERBElike processors.
Validation Days in 1998 {Jan./5,12,19,26/, Apr./6,13,20,27/, July/6,13,20,27/, Oct./5,12,19,26/}
Note: Priorities will be determined at time of Processing Request submission to the DAAC.

Table 3: Satellite: TRMM

Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
50	**3**	1/22/99	PS2='Ed1-QC'	Process CER2.2P1, using composite snow, and CER2.3P1. Archive all output files in addition to following File Management Policy (11-20-98) for all output file dispositions.		
49	**2**	1/22/99	PS1='Edition1'	Process CER1.1P1, CER1.2P1 for the Jan. 19-21 TRMM data with real ephemeris and attitude files and next day data. Follow File Management Policy (11-20-98) for all output file dispositions.	Wait for real ephemeris and attitude data and next day level 0 data for processing Instrument processors.	
48	**1**	1/19/99	PS1='Ed1-QC' RP: -pge Instrument_Only	Process CER1.1P1 immediately after level zero files arrive on a special 'QC' type daily processing using simulated ephemeris and attitude files. BDS, BDSS, BDSD, BQCRP, BQCRPS, BINHS and BINEL files should be moved to /QA when processing completes, Do Not Archive files. Remove files from /QA when real ephemeris and attitude are used in normal processing.	When the Instrument is turned back on (Jan.19-21), we would like a request for Instrument Only processing to be given to the DAAC to process that data immediately upon receipt.	
47	**2**	12/15/98	N/A	Process delta delivery 12-10-98 from ERBE-like subsystem (ss2) to regenerate ES8_yyyymmdd_1_9.gif files from Dec.27, 1997 thru August 31, 1998. Follow email instructions sent 12-11-98 from Beth Flug.	To eliminate a constraint in the Scene ID GIF plotting program that caused an apparent discrepancy between the LW TOA data and the associated scene ID. (sccr 115)	done 12/16/98

Table 3: Satellite: TRMM

Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
46	**1**	12/10/98	PS1='ValidationR3' RP: -o IES_Only	Promote new Instrument Delivery into Production. Reprocess Jan. 98 - Aug. 98 Output intended for Clouds Processors (SS4) **NOT** for ERBElike. **DONOT** process 1.2P1.	Provide the Partial Earth-viewing footprints on the IES for inclusion on the SSFs. Fixed the flagging of radiance values (sccr 114)	done 12/15/98
45	**1**	11/5/98	PS12='DAO-GEOS2'	Process CER12.1P1 for May 1-26, 1998	Data requested by Dr. Inamdar	done 11/17/98
44	**5**	10/9/98	PS4_5='ValR2-NL'	Process inversion CER4.5-6.2P1 for the datamonths of Feb., Mar, April, 1998 as a follow up processor to CER-PR3-41. (Include the Raps days in Feb. and March 1998 - data generated from CER-PR3-36) Place SSF into Archives and remove from Production Disk.	SSF-HDF requested by Anand K. Inamdar. These data sets will be accessed through the Science Web Pages.	done 10/23/98
43	**1**	10/7/98	PS1='Ed1-QC'	Process CER1.1P1 immediately after level zero files arrive on a special 'QC' type daily processing using simulated ephemeris and attitude files. BDS, BDSD, BQCRP, BQCRPS, BINHS and BINEL files should be moved to /QA when processing completes, Do Not Archive files. Remove files when real ephemeris and attitude are used in normal processing.	When the Instrument is turned back on (mid-October), we would like a request for Instrument Only processing to be given to the DAAC to process that data immediately upon receipt. Use processing instructions as documented in the attachment: Att-CER-PR3-43.	done 10/19/98
42	**3**	10/9/98	PS12='~~ValidationR2~~' PS12='DAO-GEOS2'	Process CER12.1P1 for the datamonth: April 98	This will be need for CER-PR3-41	done 10/9/98 corrected PS
41	**4**	10/9/98	PS4_1='ValR2-NL' PS4_5='ValR2-NL'	Process Clouds and Inversion (CER4.1-4.0P1, CER4.1-4.1P1, and CER4.5-6.1P1) for the Faps days only for Feb. and March 1998. Process all of April, 1998. Use IES input from previous processing (before the reprocessing began, CER-PR3-39). The PS1='Edition1', CC1='006000'.	Delete all output files, except 'SSFB' and 'GQCI'. Archive only and Do Not send to /QA. Process days in Feb. 2,3,5,6,8,9,11,12,14,15,17, 18,20,21,23,24,26,27. March days: 1,2,4,5,7,8, 10, 11,13,14,16,17,19,20,22, 23,25,26,28,29,31. All of April, 98. Notify Norm Loeb (n.g.loeb @larc.nasa.gov)	done 10/23/98

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Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
40	**2**	9/25/98	PS2='Edition1' PS3='Edition1' Process: Raps+Faps Processors	Promote new ERBElike delivery into Production. **Reprocess all data from DEC. 27, 1998 thru August 31, 1998.** Process: Raps+Faps Processors: CER:2.2P1,2.3P1, 2.4P1,2.4P2,2.3P1,3.2P1,3.3P1,3.4P1	New SCC file NIISCTRM.19980904. Added ES-8 HDF-EOS verification programs. New written procedures for FAPS+RAPS as well as FAPS and RAPS runs. Modified QC report for snow PGE. (sccr 105)	~~done 10/6/98~~ Plots failed-Plot scripts redeliv-ered(sccr 108) done 10/15/98
39	**1**	9/21/98	PS1='Edition1'	Promote new Instrument delivery into Production. **Reprocess all data from DEC. 27, 1998 thru August 31, 1998**	TK5.2.3 and CERESlib (19980910) must be installed prior to SS1 compilation. 1. Consolidate SCF and Production versions of the TRMM PCF input file, and file generators. 2. Add EOS-AM1 input & pcf file generators and test environment setup script 3. Revise Radiance/Radiance Support modules to use CERES Constants modules for WN channel width. 4. Add option for subsystem to process only the Instrument Housekeeping parameters. 5. Fix error in processing EOS-AM1 diagnostic data 6. Change Level-0 read routines to skip packets with time conversion errors. (sccr 100)	done 9/25/98
38	**8**	8/2/98	PS1='Edition1' PS2='Edition1'	Process Dec. 27 thru Dec. 30, 1998 with CER1.1P1, CER1.2P1, CER2.2P2, and CER2.2P3, CER2.3P1 processors	Normal processing	done 8/5/98
37	**7**	8/2/98	PS1='Ed1-SC'	Promote new Instrument delivery into production. Reprocess Solar Calibration days from Jan. thru July, 1998 for CER1.1P1. Use solarcal_pcfin_gen_PROD.csh instead of instr_pcfin_gen_PROD.csh. Days to reprocess: 1998, Jan. 4-11,13,15,17,18,28, Feb. 11,25, Mar. 11,25, Apr. 8,22,27, May 6, 20, Jun 3,17, Jul 1,15,29	Fix the flagging/marking of Along Track data. Creation of separate PGE for the conversion of the BDS to PRES-ES8. Fix spaceclamp for Solar Calibration packets. Add functionality to process EOS-AM data.(sccr95)	done 8/7/98

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Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
36	**6**	7/31/98	PS4_1='ValR2-NL' PS4_5='ValR2-NL'	Reprocess Clouds and Inversion for the Raps days only for Feb. and March 1998. See Description for special Instructions. Notify Norm Loeb (n.g.loeb @larc.nasa.gov) when processing starts.	Delete all output files, except 'SSFB'. Archive and write 'SSFB' files to: /darrin-QA/CERES/inversion/data/out_comp/data. Raps Days in 1998 Feb: 1,4,7,10,13,16,19,22, 25, 28. Mar: 3,6,9,12,15,18,21,24,27,30	done 8/11/98
35	**5**	7/30/98	PS10='ValidationR2'	Promote Tisa_Averaging into production. After CER-PR3-28 and CER-PR3-32 have completed, start the SS10 processors.	Added generation of time-series plots to SS10, Corrected a problem with writing of zonal and global averages to file, Changed parameter names in HDF-EOS file to match DPC.(sccr 96)	done 9/10/98
34	**2**	7/20/98	PS2='Edition1' PS3='Edition1'	Promote Erbelike into Production. Reprocess all monthly processors for Jan. thru June. 98 (SS3) Process July,98, at end of datamonth (SS2 & SS3)	SS2: GIF files mods, Script files mods, ES8-HDF prog. mods, SS3: DDB daily, overlap programs, all f90, ES-9 HDF, ES-4 HDF programs mod. to correct .met files and correct the scale factor for the hourly Clear Sky SW flux values in Monthly _Hourly SDS and the negative standard deviations on ES-9 HDF product.(sccr 94)	done 7/31/98
33		7/7/98	PS1='Edition1', PS2_3='Edition1'	Delete all data generated for the March 2,3,4, 1998 DataDate for Instrument and Erbelike Processors. Reprocess March 2,3,4, 1998 DataDate for Instrument (daily processor) using the Marshall DPREP 'Attitude and Ephemeris' data. Reprocess Erbelike (daily for 3/2,3,4/98 ~~and March 98 Monthly~~)	The DPREP 'Attitude and Ephemeris' data for March 2,3,4, 1998, obtained from the Marshall DAAC, has been viewed as correct.	done 7/16/98
32	**4**	8/5/98 ~~7/3/98~~	PS11-'Composite'	Promote SS11 into production, Reprocess Jan.98	Corrected an algorithm which extracts month and day from day-of-year, CERESlib constants used. (sccr 92) Implemented memory module for post processor, Corrected main processor for image file counter.(sccr 97)	delayed 7/3/98 done 8/14/98

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Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
31		7/1/98	PS1='Edition1'	Place SS1, Instrument, SW into CM System, after CER-PR2-2 and CER-PR2-3 are complete, at the end of June 98. Begin Processing with July 98 DataDate data. Use the Production Rules as documented in email: 5 Jun 1998, D. Cooper: Day Before, Requested Day and Day After (see attachment: Att-CER-PR3-31)	Add QA flag change to BDS to PreES8 conversion program. Also change to put all scans with geolocated footprints on the PreES8.(sccr85)	done 7/7/98
30	**9**	7/22/98 ~~6/26/98~~	PS6='ValidationR2'	After CER-PR3-29 begins, and SS9/10 have finished, start SS6 Processors for the Jan.98 data.	(same as 28)	delayed 6/26/98 (SW pulled) done 8/28/98
29		6/26/98	PS5='ValidationR2'	Promote Sarb into Production. Begin Processing Jan.98 after CER-PR3-28 begins.	A change to the metadata code was made so that a metadata file was created for the QC report. Separate metadata file was created for the HDF file and for the hourly surface albedo file. PCF generators were modified to incorporate the requested dynamic configuration code numbers, sampling strategies, and production strategies. The tropopause height was hardwired to 70 hPa instead of using the value from MOA.(sccr89)	started processing 7/14/98 Done 7/21/98
28	**3**	7/22/98 ~~6/26/98~~	PS9='ValidationR2' PS10='ValidationR2'	Promote Tisa_Gridding into Production. Start SS9 Processors with Jan.98 data after CER-PR3-27 begins processing. ~~When CER-PR3-18 is done (When SS10 is redelivered - and SS9 processing is complete, begin SS10 - TBD)~~	Changes made to ASCII file generator, incorporating multi-input CCodes. Optional begin/end region # for restart feature. Cal. Precip.water beneath cloud. Monthly/hourly overlap logic included (sccr81) Corrected problem in the cloud property algorithms that was causing a "Floating Underflow" in PGEs 6.1 and 9.2.(sccr 93)	delayed 6/26/98 (SW pulled) done 8/28/98

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Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
27		6/26/98	PS4_5='ValidationR2'	Promote SS4-5, Inversion, SW into Production. Processing will begin with Jan. 98 data after CER-PR3-26 begins processing.	In the three channel consistency test, the window radiance will no longer be multiplied by 3.6 before performing the test. MOA production date header in the SSF header was changed from 19 to 24. The ASCII input generator for PGE CER4.5-6.1P1 was modified to use new spectral correction file name.(sccr88)	done 7/10/98
26		6/26/98	PS4_1='ValidationR2'	Promote Clouds, SS4.1-4.4, into production. Begin Processing Jan. 98 DataDate Data	External file for VIRS Calibration, improved CERES mask algo., implemented nighttime cloud property algo.(VINT), removed dependency of ephemeris file for geodetic to geocentric conversion.	done 7/10/98
25		6/18/98	PS2_3='Edition1'	Process ERBElike for 4/98, 5/98 DataDate data after CER-PR3-23 and CER-PR3-24 are complete.	CER-PR3-23 involves special processing for the Alongtrack Days and CER-PR3-24 corrects simulated data runs.	done 6/26/98
24		6/18/98	PS1='Edition1'	Reprocess the Exception DataDays through CER1.1P1 as listed in CER-PR2-3.	Correct runs made with simulated data (UTC-Pole)	done 6/27/98
23		6/18/98	PS1='Edition1'	Reprocess the Exception DataDays through CER1.1P1 as listed in CER-PR2-2.	Special processing for the Alongtrack Days.	done 6/23/98
22		6/4/98	PS2='Edition1' PS2_3='Edition1' PS2_3_QC='Ed1-QC'	Promote 6/3/98 delivery of ERBElike into production. Reprocess Jan-March/98. Begin June/98 again (QC mode) with new code. Promote ES8 data to Science Team Web Pages.	New SCC File, NIISCTRM.19980525, which includes SCCs generated on 980413. Updated As and Bs such that As = 11.4096 and Bs = 28.9218. SS2 QC report modification - added number of records counted in each of the following modes according to the (new) ScannerOperations Flag - Crosstrack, RAPS, Alongtrack, and Transitional. HDF-EOS ES-4 incorporated into the SS3 script. HDF ES-9 incorporated into the SS3 script. SS3 (MTSA) code correction to fix error in LW calculation (~ 2000 W/m**2).(sccr86)	Done 6/12/98

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Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
21		ASAP	PS4_1='ValR2-QC' PS4_5='ValR2-QC'	Process CER4.1-4.1P1 and CER4.5-6.1P1 for Validation hours listed in file 'CER-PR3-21.051398' as defined by Pat Minnis. Direct 'SSFB' files to /QA directory for evaluation.	Clouds Validation request made at the May 8, 1998 Clouds WG meeting.	Done 6/5/98
20		5/13/98	PS12='~~ValidationR2'~~ PS12='DAO-GEOS2'	Process CER12.1P1 for the data month: Feb. 1998	Clouds Validation Team will require certain hours to be processed for the data month of Feb. 1998.	Done: 5/19/98 correcter PS
19		5/13/98	PS4_1='ValidationR2'	Process CER4.1-4P1, for 1/7/98, hrs. 0 - 11,stop for evaluation, and 1/8/98, hrs. 0 - 11 and stop. Turn data over to WG for validation. Do NOT run any other processors dependent on this data, until further notice. Do NOT process Inversion, etc. beyond Jan. 6, until further notice. All of the processors may continue for the Jan.1-6,1998 datadays.	Validation Team must assess the data from Jan. 7/8, 98, for the Clouds CRH update program.	Done 5/15/98
18		~~5/20/98~~ Delayed	~~PS7_8_10='ValidationR2"~~ PS7_1='ValidationR2' PS8='ValidationR2' PS10='ValidationR2'	Promote Tisa_Averaging into production, when possible.	Code to include: new surface directional models, algorithm to calculate the precipitable water beneath the cloud, modified PCF and ascii file generators, plots created in SS10 and stored in .gif files, for the Web (sccr82)	Done 6/10/98, waiting for Tisa_Gridding for op test data. 7/16/98-SW pulled
17		5/12/98	PS2_3='ValidationR2'	Execute ERBElike monthly processors (3..2P1,3.3P1) for April 1998 DataMonth.	This production request will be a Standing Production Request for each DataMonth, in the near furute.	Done: 5/17/98
16		5/12/98	PS2_3_QC='ValR2-QC'	Standing Production Request: Include 2.3P1, the creation of ES8 (HDF), in the daily QC processing for ERBElike and send to /QA. This processor is to be included in the definition of Priority 1. Start this with May 1, 98 processing.	Permanent request from the DMT for the creation of ES8 (HDF) QC daily files which is created using the Composite Snow maps.	Is being done daily as requested

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15		~~5/12/98~~ Delayed	PS9='ValidationR2' PS6='ValidationR2'	Promote Tisa_Gridding into Production (Need CERESlib 5/4/98 Version)	Changes made to ASCII file generator, incorporating multi-input CCodes. Optional begin/end region # for restart feature. Cal. Precip.water beneath cloud. Monthly/hourly overlap logic included (sccr81)	SSI&T pulled for redelivery TBD
14		~~5/8/98~~ Delayed	PS5='ValidationR2'	Promote SS5, Sarb, into Production	Modify the QC report to include statistics requested by Science Team (sccr68), and include post-processor to convert binary CRS to HDF format (sccr73).	Done 5/26/98, code pulled 5/27/98 due to .met file errors.
13		4/14/98 ~~**Priority 2**~~	PS1='Edition1	Reprocessing the months of 2/98-4/1/98 for CER1.1P1. The PRES8 data sent to /QA, ERBE-like (SS2) will be processed at the SCF at this time.	Priority 2, Instrument output PRES8 needed for the months of FEB. and March,98, for ERBElike at the SCF.	Done: 4/23/98
12		~~TBD~~ 5/7/98	PS11='Composite'	Promote GGEO, SS11, into production (needs 5/4/98 CERESlib) Execute with GeoStationary Data for 1/98.	Code changes to conform to TK5.2.1 (sccr50)	Done: 5/14/98
11.1		~~TBD~~ 5/6/98	PS4_0='NSIDC' PS4_1='ValidationR2' PS12='DAO-GEOS2' PS4_5='ValidationR2'	Promote SS4.1-4., Clouds, into Production. (Need CERESlib 4/29/98 Version for SS4.1-4.4, Clouds). Promote SS4.5-6, Inversion, into production. ~~Same as Item 11, Delay is due to further SS4.1-4.4, Clouds SW enhancements~~.	Additional Cloud Mask tests added to CERES Cloud Mask algorithm. Modifications to Correlated K algorithm to correct VINT problems. Corrections to CloudVis subsetting algorithm and 2 regions added to the Subset list. Correction to MOA Bi-Linear Interpolation between regions with partial land/water coverage. Increased Viewing Zenith Cutoff from 76.2 to 80.0. (sccr77).	Done: 5/8/98
11		~~4/14/98~~ TBD	PS4_1='ValidationR2' PS12='DAO-GEOS2' PS4_5='ValidationR2'	Promote SS4.1-4.4, Clouds, to production - will begin with the Validation Days in Jan.98, PS1='Edition1', after SS1 go-ahead, use MOA input. New SS4.5-6, Inversion, SW will follow soon.	Cloud retrieval will have improved cloud mask, MOA bilinear interpolation, VIRS calibration correction version 1, and addition of correlated K to VINT, see SCCR71.	SSI&T stopped 4/13/98

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10		4/10/98 ~~Priority 3~~	PS12='DAO-GEOS2'	Promote SS12 to production - will be processed with GOES2 data. Reprocess Jan. 98 for MOA.	GEOS1.3 will be replace by GEOS2 input files from DAO.	Done: 4/27/98
9		4/7/98	PS1='Edition1 PS2_3='ValidationR2	Continue reprocessing the month of 1/98 for CER1.1P1. Process ERBElike subsystems for 1/98 with real snow map data	Validation Days in Jan. are OK. - finish the month	Validation days completed 4/7/98
8		4/1/98	PS12='ValidationR1' PS4_1='ValidationR1' PS4_5='ValidationR1' PS9='ValidationR1'	Terminate MOA, clouds, inversion processors until further notice. Archive & rm all GEOS1.3 data and MOA, clouds, & inversion output files. Terminate PMOA processor, 9.1P1, until further notice.	GEOS1.3 will be replace by GEOS2 input files from DAO.	
7		4/1/98	PS2_3_QC='ValR2-QC' PS2_3=TBD	Promote ERBElike delivery into Production to coincide with the Instrument Production date, these codes should start at the beginning of the data month. Reprocessing will be determined at a later date, after CER1.1P1 evaluation of the validation days in Jan.98. Note: Do NOT run SS2/3 for ValidationR1 w/ real snow data for Dec., Feb., or March, 98.	Updated snow map file generator, the wn channel fixes for QC report, the processing date time in UTC format in ES8-HDF metadata file, the new SS3 that generates monthly solar declination and ES-4 housekeeping values before processing monthly data, and the graphics fixes, see sccr66,67,& 70	
~~6~~		~~4/1/98~~ Deleted	(replaced by item 8)	Continue Jan. processing of Clouds, etc (ValidationR1). Wait for redelivery of SS4.1-4, SS4.5-6, SS7.1/8/10 before processing April, and beyond, or any reprocessed data (PS1=Edition1).	The changes that are being delivered in the Instrument delivery will impact the entire data processing system. At a later date, if reprocessing is necessary, all subsystem codes must be in sync with SS1, see sccr62.	
5		4/1/98	PS1='Edition1'	Promote new Instrument delivery, REL2.4, into Production. **This must be coordinated with the new SS2/3 redelivery.** Reprocess validation days thru CER1.1P1: {1/5,12,19,26/98} (This may be followed by the month of Jan.- after evaluation of data). DAAC will start the Semi-automated ConfigurationCode implementation.	Changed to Geodetic/Surface coordinate system. Deep Space Calibration Offsets and Coefficients for Radiance Count Conversion. Updates to SpaceClamp algorithm to properly calculate spaceclamp based on Sample Number 0. Change in units on Window channel radiances. Properly flag and count saturation of radiances on all channels. Fix errors in metadata.	

Table 3: Satellite: TRMM

Item	Priority	Start Date	Production Strategy Runtime Parameters(RP)	Processing Request	Description	DAAC Verification
4		3/11/98	PS2_3='ValidationR1' PS2_3_QC='ValR1-QC'	ERBElike processing strategy priority for ValidationR1 data: a) Finish 1/98 for SS2 and SS3 ASAP to get data to science team. b) Process 12/97 through SS2 c) Process 2/98 through SS2 and SS3 d) Start 3/98 through SS2 in a 'QC' mode with ProductionStrategy 'ValR1-QC' for daily runs, then at the end of the month, after we have snow files for the complete month, re-run to produce the normal ProductionStrategy 'ValidationR1'.	Priority for processing ValidationR1 Instrument data determined at the ERBElike Working Group Meeting 3-11-98.	
3		3/5/98	PS2_3='AtLaunch'	Promote new ERBElike delivery, REL2.2, into Production.	Code changes made to return to ERBE scanner configuration.	
2		2/2/98	PS1='ValidationR1'	Promote new Instrument delivery, REL2.3, into Production. ValidationDays = {12/27,28/97, and 1/5,6,12,19,26/98}, Reprocess all days thru all Subsystems.	SS1 code fixes DAC update and rate limit scan rejects, proper coefficients, IES scan and sample numbering.	
1		11/27/98	PS1='AtLaunch' PS2_3='AtLaunch'	Initial ProductionStrategy = **AtLaunch**	Initial request for the definition of the Production-Strategy	

Attachment to CER-PR3-43
10-7-98

From: "Denise Cooper" <denise@can8iv.larc.nasa.gov>
Message-Id: <980921134118.ZM5521@can8iv.larc.nasa.gov>
Date: Mon, 21 Sep 1998 13:41:18 -0400
Subject: TRMM Instrument Only data processing

Jill and Vertley,

There is some speculation that they may turn the CERES instrument back on sometime this week to gather some more data on the DAA +15V problem. Since the CERES 24-hour dataset shows up earlier than the ephemeris and attitude data, is it possible for the DAAC to run with a new option available with the lastest version of code? This is the Instrument_Only processing mode. We would want to name the BDSs with some other production strategy to avoid confusion, since a complete BDS is created, but it only has valid data in the Instrument Engineering parameters. This BDS version could be deleted once the "real" BDS was created, saving space. These Instrument_Only runs take 1/2 hour for an entire 24-hour BDS and get data into the hands of the folks that need it almost instantly. Since the ephemeris and attitude data is not really used, simulated data is used. I can make these runs at the SCF, but I thought since you receive the data much earlier than I get in to do this processing, it might be more efficient for you to run this data. However, I can understand if you would like us to do this processing at the SCF and I have no real problem with that as the solution. To run this option, the following change to creating the ASCII file is needed:

trmm_lz_input_find.csh -d 1998 09 DD -pge Instrument_Only -env

the rest of the procedure remains the same. The input file and PCF file used for this run cannot be reused when the "real" ephemeris and attitude data appear, so these files can also be deleted once the "real" BDS is run. Since the data that the i investigators
are looking for is in this Instrument_Only BDS we could do normal processing for the "real" BDSs (day before and day after available).

Again, if this will cause problems at the DAAC we can and will run this at the SCF.

Denise

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From: "Denise Cooper" <denise@can8iv.larc.nasa.gov>
Message-Id: <981001174616.ZM24906@can8iv.larc.nasa.gov>
Date: Thu, 1 Oct 1998 17:46:16 -0400
Subject: Instrument Only Processing

Maria,

When the Instrument is turned back on (mid-October), we would like a request for Instrument Only processing to be given to the DAAC to process that data immediately upon receipt. Data is needed first thing the next morning after the Level-0 data has been received. I have already sent Jill the instructions on how to run the Instrument Only processing and once the "real" processing has taken place the Instrument Only BDSs can be deleted from the system. It does not need to be archived, it can just be deleted. The Instrument_Only processing takes 1/2 hour to process 24-hours of Level-0 data, instead of 6 hours for regular processing, so data can be made available to the Tiger Team immediately. This data will only have Instrument Engineering Parameters (temps and voltages), all other data will be fill values.

I forgot to mention that the data should be moved to /QA when processing completes, this includes BDS, BDSD, BQCRP, BQCRPS, BINHS and BINEL files.

We need this set up before the Instrument is turned on so the first data can be processed upon arrival. I know you'll come up with a great production strategy for

these runs, you always do.

Thanks,

Denise

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